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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

P.O. Box 1450

ATTENTION: HONORABLE
Commissioner for Patents

In re the Patent of: ARAKI, Takako

P.T.O. Confirmation No.: 1371

Patent No. 7,376,054

Issued: May 20, 2008

For: DISK PLAYBACK DEVICE

REQUEST FOR CERTIFICATE OF CORRECTIONCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450Mail Stop DAC
July 8, 2008

Sir:

The undersigned requests that a Certificate of Correction be issued for the above-identified patent as indicated on the attached Form PTO-1050.

This request is being made in order to correct item (54). The title of the invention is incorrect. Please correct the title should read --DISK PLAYBACK DEVICE--. Copies of the Letters Patent No. 7,376,054 and Transmittal of New Application filed February 4, 2005 are enclosed which indicate the correct information. It is respectfully submitted that no new matter has been added.

Since this error is a Patent and Trademark Office printing error, it is respectfully submitted that no fee is required.

Respectfully submitted,

KRATZ, QUINTOS & HANSON, LLP

Mel R. Quintos
Attorney for Applicant
Reg. No. 31,898*Certificate
JUL 10 2008
of Correction*

MRQ/ses

Atty. Docket No. 050066
Suite 400
1420 K Street, N.W.
Washington, D.C. 20005
(202) 659-2930RECEIVED-USPTO
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Enclosures: PTO-1050, Letters Patent Title Page and Transmittal of New Application filed 2/4/05

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.: **7,376,054**
APPLICATION NO.: **10/523,519**
DATED : **May 20, 2008**
INVENTOR(S): **ARAKI, Takako**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page:

Item "(54)" "DISC REPRODUCTION DEVICE"

should read:

Item "(54)" --DISK PLAYBACK DEVICE--

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Patent No.:7,376,054

MAILING ADDRESS OF SENDER:
KRATZ, QUINTOS & HANSON, LLP
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Washington, DC 20005

No. of add'l copies
@ 30¢ per page
→ _____



US007376054B2

(12) United States Patent

Araki

~~SHOULD READ
-- DISK PLAYBACK DEVICE --~~~~(54) DISC REPRODUCTION DEVICE~~

(75) Inventor: Takako Araki, Osaka (JP)

(73) Assignee: Sanyo Electric Co., Ltd., Moriguchi-shi (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/523,519

(22) PCT Filed: Jul. 25, 2003

(86) PCT No.: PCT/JP03/09506

§ 371 (c)(1),
(2), (4) Date: Feb. 4, 2005

(87) PCT Pub. No.: WO2004/013849

PCT Pub. Date: Feb. 12, 2004

(65) Prior Publication Data

US 2005/0254362 A1 Nov. 17, 2005

(30) Foreign Application Priority Data

Aug. 6, 2002 (JP) 2002-228978

(51) Int. Cl.

G11B 7/00 (2006.01)

(52) U.S. Cl. 369/44.27; 369/44.32;
369/44.34(58) Field of Classification Search 369/44.32,
369/44.27, 44.34

See application file for complete search history.

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U.S. PATENT DOCUMENTS

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(10) Patent No.: US 7,376,054 B2

(45) Date of Patent: May 20, 2008

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* cited by examiner

Primary Examiner—Wayne Young

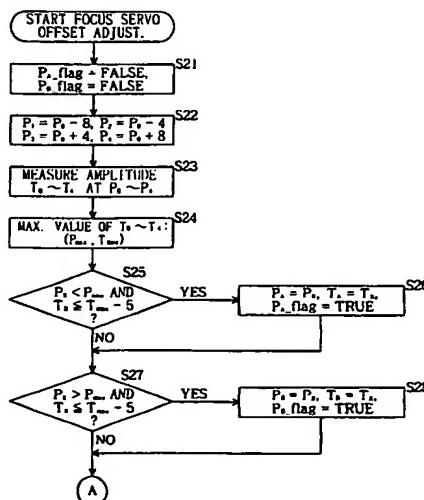
Assistant Examiner—Linh T. Nguyen

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(57) ABSTRACT

The present invention provides a disk playback device comprising a control circuit 7 for determining an optimum value of offset for a focus error signal based on amplitude values of a tracking error signal or an RF signal fed from an optical head 5, and making an offset adjustment with reference to the optimum value. The control circuit 7, in signal reproduction, approximates the relationship between offset values and the amplitude values to a quadratic curve with reference to three different offset values and three amplitudes at the respective offset values, repeats a calculation of an optimum offset value corresponding to the peak of the quadratic curve, and sets the three different first to third offset values respectively at an optimum value obtained in a previous optimum offset value calculation processing, and second and third offset values set in the previous optimum offset value calculation processing.

3 Claims, 18 Drawing Sheets

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DT07 Rec'd PCT/PTO 04 FEB 2005

ATTORNEY'S DOCKET NO: 050066

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: February 4, 2005
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLN. NO. (if known): 10/523519
INTERNATIONAL APPLICATION NO.: PCT/JP03/09506	INTERNATIONAL FILING DATE: July 25, 2003	PRIORITY DATE CLAIMED: August 6, 2002
TITLE OF INVENTION: DISK PLAYBACK DEVICE		
APPLICANT(S) FOR DO/EO/US: Takako ARAKI		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
ITEMS 11. TO 16. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with PTO-1449, 4 references and International Search Report.</p> <p>12. <input checked="" type="checkbox"/> a. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> b. ASSIGNEE(s) NAME(s) AND ADDRESS <u>SANYO ELECTRIC CO., LTD., Moriguchi-shi, Japan</u> Please publish the assignee data with the application.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: 18 Sheets of Drawings.</p>		
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U.S. APPLICATION NO. (if known)	10752351	INTERNATIONAL APPLICATION NO. PCT/JP03/09506	DATE: February 4, 2005	
17. <input checked="" type="checkbox"/> The following fees are submitted:			<u>CALCULATIONS</u>	<u>PTO USE ONLY</u>
Basic National Fee (37 CFR 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO: \$300.00			\$ 300.00	
Search Fee \$500.00			\$ 500.00	
Examination Fee \$200.00			\$ 200.00	
ENTER APPROPRIATE BASIC FEE AMOUNT =			\$1000.00	
<u>_ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.</u>				
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
58 - 100 =	/ 50 =		x \$250.00	
<u>Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</u>				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
TOTAL	4 - 20 =		X \$ 50.00	
INDEPENDENT	1 - 3 =		X \$ 200.00	
Multiple dependent claims(s) (if applicable)			+ \$360.00	\$ 360.00
TOTAL OF ABOVE CALCULATIONS =			\$1360.00	
<u>Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</u>				
			SUBTOTAL = \$1360.00	
<u>Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</u>				
			TOTAL NATIONAL FEE = \$1360.00	
<u>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).</u>			\$ 40.00	
			\$40.00 per property +	
TOTAL FEES ENCLOSED =			\$1400.00	
			<u>Amount to be:</u>	
			<u>refunded</u>	\$ _____
			<u>charged</u>	\$ _____

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U.S. APPLICATION NO. (if known) 10/523519	INTERNATIONAL APPLICATION NO. PCT/JP03/09506	DATE: February 4, 2005
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1400.00 to cover the above fees is enclosed. (\$300.00 for filing fee, \$500.00 for search fee, \$200.00 for examination fee, \$360.00 for multiple dependent claims and \$40.00 for assignment.) (This paper is filed in triplicate)</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 01-2340 in the amount of \$____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2340.</p>		
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.</p>		

Send All Correspondence To:	 23850 PATENT TRADEMARK OFFICE
Armstrong, Kratz, Quintos, Hanson & Brooks, LLP Suite 1000, 1725 K Street, N.W. Washington, D.C. 20006 Tel: (202) 659-2930 Fax: (202) 887-0357	
Typed or Printed Name Mel R. Quintos	Reg. No. 31,898
Signature <i>Mel R. Quintos</i>	Date: February 4, 2005

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